

CLAIMS

What is claimed is:

1. An electrical cable comprising:

5 reinforcing strands;

conducting strands surrounding the reinforcing strands and located near the
outer periphery thereof; and

a holding member containing an optic fiber located in an interstice of the
electrical cable.

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2. The cable of claim 1 having a strength member adjacent the holding member.

3. The cable of claim 2 wherein the strength member is attached to the holding
member.

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4. The cable of claim 2 wherein the strength member is an electrically conductive
material.

5. The cable of claim 4 wherein the electrically conductive material is copper.

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6. The cable of claim 2 wherein the diameter of the strength member is greater than
the diameter of the holding member.

7. The cable of 1 wherein the holding member is a steel tube.

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8. An electrical cable comprising:

strands forming a core of the cable; and

a holding member containing an optic fiber, wherein the holding member replaces at least one of the strands.

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9. The electrical cable of claim 8, wherein the strands are comprised of conducting strands located near the outer periphery of the core and reinforcing strands that are surrounded by the conducting strands.

10 10. The cable of claim 9, wherein the holding member replaces at least one of the reinforcing strands.

11. The cable of claim 9, wherein the holding member replaces at least one of the conducting strands.

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12. The cable of claim 9, further comprising a second holding member that replaces at least one of the conducting strands.

13. The cable of claim 9, further comprising a second holding member that replaces
20 at least one of the reinforcing strands.

14. An electrical cable, comprising:

a conductive core;

a means for holding an optic fiber; and

25 a means for strengthening the holding means.

15. A method of manufacturing the cable of claim 8, comprising:
- feeding a core strand into a strander device; and
 - placing a holding member on the core strand.
- 5 16. A method of manufacturing the cable of claim 10, comprising:
- feeding a core strand into a strander device,
 - placing a holding member on the core strand; and
 - covering the core strand and the holding member with additional strands.
- 10 17. A method of manufacturing the cable of claim 8, comprising:
- feeding a core strand into a strander device having a flyer for applying additional strands and a planetary flyer for a holding member,
 - matching the rotation of the flyer with the rotation of the planetary flyer; and
 - applying the additional strands and the holding member to the core strand.

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